


NATLSCO

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

CAROLINE DEYONG
SOUTHWESTERN REFINING CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE AUG. 14, 1987

SAMPLES REC'D AUG. 10, 1987

REQUEST NUMBER 63959

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-132	ASBESTOS(NIOSH 7400) ANALYSES	2.5	<0.01
87-133	ASBESTOS(NIOSH 7400) ANALYSES	21.5	0.04
87-134	ASBESTOS(NIOSH 7400) ANALYSES	2	<0.01
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES		SUBTRACTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES		SUBTRACTED

C MEANS LESS THAN

METHODS: PHASE CONTRAST MICROSCOPY
GAS CHROMATOGRAPHY (ROUTINE)
ATOMIC ABSORPTION (ROUTINE)
FLAME EMISSION SPECTROMETRY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000695

SWRf/Asbestos 10067



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LABORATORY ANALYSIS REPORT

REPORT DATE AUG 14, 1987

SAMPLES REC'D AUG 10, 1987

REQUEST NUMBER 63959

PAGE NUMBER 2 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS

METHODS: ATOMIC ABSORPTION (ROUTINE)
Respectfully submitted,

Joan A. Wronski

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000696

SWRf/Asbestos 10068



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ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO: CAROLINE DEYUNG
SOUTHWESTERN REFINING CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE AUG 14, 1987

SAMPLES REC'D AUG 10, 1987

REQUEST NUMBER 70758

PAGE NUMBER 2 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-129	ASBESTOS(NIOSH 7400) ANALYSES	21.5	0.04
87-130	ASBESTOS(NIOSH 7400) ANALYSES	<2	<0.01
87-131	ASBESTOS(NIOSH 7400) ANALYSES	51	0.03

< MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000694



ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO: CAROLINE DEYONG
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P.O. BOX 9217
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LABORATORY ANALYSIS REPORT

REPORT DATE AUG. 25, 1987
SAMPLES REC'D AUG. 20, 1987
REQUEST NUMBER 63115
PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		(	
		(	
		C.....	
			7
			2
		Fibers/100 Flds	Fibers/cc
87-155	ASBESTOS(NIOSH 7400) ANALYSES	16.5	0.04
87-156	ASBESTOS(NIOSH 7400) ANALYSES	<2	<0.01
BLANK	BLANK.... BLANK		NONE DETECTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES		SUBTRACTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES		SUBTRACTED

(MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Frank A. Wloski

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000690

SWRf/Asbestos 10082

**NATLSCO**

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

CAROLINE DEYONG
SOUTHWESTERN REFINERY CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE AUG. 28, 1987

SAMPLES REC'D AUG. 26, 1987

REQUEST NUMBER 73092

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
BLANK	BLANK.... BLANK	NONE DETECTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES	AVG. AND SUBTRACTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES	AVG. AND SUBTRACTED

METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000689



National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO: CAROLINE DEYONG
SOUTHWESTERN REFINERY CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE AUG. 28, 1987

SAMPLES REC'D AUG. 26, 1987

REQUEST NUMBER 63960

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-161	ASBESTOS(NIOSH 7400) ANALYSES	4	<0.01
87-162	ASBESTOS(NIOSH 7400) ANALYSES	8.5	<0.01
87-163	ASBESTOS(NIOSH 7400) ANALYSES	33.5	0.02
		Fibers/100 Flds	Fibers/cc
87-168	ASBESTOS(NIOSH 7400) ANALYSES	3.5	<0.01
87-169	ASBESTOS(NIOSH 7400) ANALYSES	18	0.01

C MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000687



National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

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LABORATORY ANALYSIS REPORT

REPORT DATE AUG. 28, 1987

SAMPLES REC'D AUG. 26, 1987

REQUEST NUMBER 63960

PAGE NUMBER 2 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS

< MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
THE RESULTS WERE CORRECTED FOR THE FOLLOWING DESORPTION EFFICIENCY:
99% - BENZENE.

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000688



National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

CAROLINE DEYONG
SOUTHWESTERN REFINERY CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

REPORT DATE SEP. 18, 1987

SAMPLES REC'D SEP. 15, 1987

REQUEST NUMBER 76333

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES	SUBTRACTED

METHODS: PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski / OC

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

SWRf/Asbestos 10094

1B 000682

**NATLSCO**

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

CAROLINE DEYONG
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CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE SEP. 18, 1987SAMPLES REC'D SEP. 15, 1987REQUEST NUMBER 63968

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-173	ASBESTOS(NIOSH 7400) ANALYSES	7	<0.01
87-175	ASBESTOS(NIOSH 7400) ANALYSES	22.5	0.04
		Fibers/100 Flds	Fibers/cc
87-184	ASBESTOS(NIOSH 7400) ANALYSES	33.5	0.02
87-185	ASBESTOS(NIOSH 7400) ANALYSES	11.5	<0.01

< MEANS LESS THAN

METHODS: PHASE CONTRAST MICROSCOPY
GAS CHROMATOGRAPHY (ROUTINE)
WEIGHT GAIN

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000680

**NATLSCO**

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 240-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

CAROLINE DEYONG
SOUTHWESTERN REFINERY CO.
P.O. BOX 9217
CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE SEP. 18, 1987

SAMPLES REC'D SEP. 15, 1987

REQUEST NUMBER 63968

PAGE NUMBER 2 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-187	ASBESTOS(NIOSH 7400) ANALYSES	20	0.02
BLANK	BLANK... BLANK		NONE DETECTED
BLANK	BLANK... ASBESTOS(NIOSH 7400) ANALYSES		SUBTRACTED

METHODS: PHASE CONTRAST MICROSCOPY
GAS CHROMATOGRAPHY (ROUTINE)

Respectfully submitted,

Joan A. Wronski/DC

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000681

**NATLSCO**

National Loss Control Service Corporation
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ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

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CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE SEP. 30, 1987

SAMPLES REC'D SEP. 24, 1987

REQUEST NUMBER 76190

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
BLANK	BLANK... ASBESTOS(NIOSH 7400) ANALYSES	SUBTRACTED

METHODS: PHASE CONTRAST MICROSCOPY
Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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1B 000675

**NATLSCO**

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LABORATORY ANALYSIS REPORT

REPORT DATE SEP. 30, 1987

SAMPLES REC'D SEP. 24, 1987

REQUEST NUMBER 63974

PAGE NUMBER 2 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS
BLANK	BLANK.... BLANK	NONE DETECTED
BLANK	BLANK.... ASBESTOS(NIOSH 7400) ANALYSES	SUBTRACTED

METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000676

**NATLSCO**

National Loss Control Service Corporation
Long Grove, Illinois 60049-0075 (312) 540-2488

ENVIRONMENTAL SCIENCES LABORATORY, K-2

TO:

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SOUTHWESTERN REFINING CO.
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CORPUS CHRISTI TX 78469

LABORATORY ANALYSIS REPORT

REPORT DATE SEP. 30, 1987

SAMPLES REC'D SEP. 24, 1987

REQUEST NUMBER 63974

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-200	ASBESTOS(NIOSH 7400) ANALYSES	12.5	0.01
87-201	ASBESTOS(NIOSH 7400) ANALYSES	30	0.05
87-208	ASBESTOS(NIOSH 7400) ANALYSES	72	0.18
87-209	ASBESTOS(NIOSH 7400) ANALYSES	50	0.08

< MEANS LESS THAN
METHODS: PHASE CONTRAST MICROSCOPY
GAS CHROMATOGRAPHY (ROUTINE)

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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1B 000674

**NATLSCO**

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LABORATORY ANALYSIS REPORT

REPORT DATE OCT. 12, 1987

SAMPLES REC'D OCT. 7, 1987

REQUEST NUMBER 76629

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
87-226	ASBESTOS (NIOSH 7400) ANALYSES	Fibers/100 Flds	Fibers/cc
		12	0.01

< MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

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1B 000671

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LABORATORY ANALYSIS REPORT

REPORT DATE OCT. 12, 1987

SAMPLES REC'D OCT. 7, 1987

REQUEST NUMBER 70098

PAGE NUMBER 1 OF REQUEST.

SAMPLE NUMBER	ANALYSIS REQUESTED	RESULTS	
		Fibers/100 Flds	Fibers/cc
87-216	ASBESTOS(NIOSH 7400) ANALYSES	5	0.03
87-217	ASBESTOS(NIOSH 7400) ANALYSES	31	0.04
87-218	ASBESTOS(NIOSH 7400) ANALYSES	51.5	0.03

< MEANS LESS THAN
METHODS: GAS CHROMATOGRAPHY (ROUTINE)
PHASE CONTRAST MICROSCOPY

Respectfully submitted,

Joan A. Wronski, CIH, Manager
Environmental Sciences Laboratory

ACCREDITED BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

1B 000626